

ABSTRACT

A method for controlling SO_3 in a combustion process of a sulfur-containing fuel, the method steps including partially combusting the fuel to create a reducing environment; maintaining the reducing environment for a sufficient period such that SO_3 is reduced to SO_2 to
5 achieve a desirable level of SO_3 ; and combusting the remainder of the fuel in an oxidizing environment; thereby reducing the conversion of levels of SO_3 in the flue gases.